

## **SENSOR WITH SIGNATURE OF DATA RELATING TO SENSOR**

### **ABSTRACT OF THE DISCLOSURE**

A sensor has codes useful for a monitor which can be authenticated as  
5 accurate. The sensor produces a signal corresponding to a measured physiological  
characteristic and provides codes which can be assured of being accurate and authentic when  
used by a monitor. A memory associated with the sensor stores both data relating to the  
sensor and a digital signature. The digital signature authenticates the quality of the code by  
ensuring it was generated by an entity having predetermined quality controls, and ensures the  
10 code is accurate.

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